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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/577,286	04/24/2006	Robert Van Soest	903-186 PCT/US	2493
	7590 04/02/200 & BARON, LLP		EXAMINER	
6900 JERICHO	TURNPIKE		TON, TRI T	
SYOSSET, NY 11791			ART UNIT	PAPER NUMBER
			2877	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/577,286	VAN SOEST, ROBERT	
Office Action Summary	Examiner	Art Unit	
	TRI T. TON	2877	
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet w	vith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR F WHICHEVER IS LONGER, FROM THE MAILII - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicate. - If NO period for reply is specified above, the maximum statutory. - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUN CFR 1.136(a). In no event, however, may a ion. period will apply and will expire SIX (6) MC statute, cause the application to become s	ICATION. Teply be timely filed NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	This action is non-final. llowance except for formal ma		
Disposition of Claims			
4) Claim(s) <u>1-16</u> is/are pending in the application Papers	s/are withdrawn from consider ed.	ation.	
· · · <u> </u>	aminor		
9) ☐ The specification is objected to by the Example 10) ☐ The drawing(s) filed on 24 April 2006 is/a Applicant may not request that any objection Replacement drawing sheet(s) including the company of	re: a)⊠ accepted or b)⊡ objo to the drawing(s) be held in abeya correction is required if the drawin	nnce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d)).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received. Iments have been received in e priority documents have bee Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-9-3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 01/04/08.	48) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application 	

DETAILED ACTION

1. This is a response to the amendment and remarks/arguments filed on 01/04/2008.

- 2. Claims 2, 4, 11, 12 have been canceled.
- 3. Claims 1, 3, 5-10, and 13-16 are pending.

Response to Arguments

4. Applicant's arguments see pages 8-11, filed on 01/04/08, with respect to the rejection(s) of claim(s) 1-15 under 102(b) and 103(a) have been fully considered but are not persuasive.

In claim 1, the applicants do not disclose that recurring reflected light is only directed light, and recurring reflected light does not include diffusion light. In claim 1, lines 12-13, light "recurs on all sides to provide uniform illumination of the objects from all sides", light actually has been recurring reflected and recurring diffused by the surface of the object (the surface of the object could be rough and not shiny) and by the surface of side walls (there is no surface that can reflect 100% of light). Therefore, recurring diffusion light actually is a part in the uniform illumination of the invention. This contradicts to the argument on page 8.

In JP Publication No. 08005563, Kinoshita teaches reflective paint being applied to wall 1a to form the reflective wall surface ([0009], lines 3-4). Wherein, reflected paint can be any paint which can form a reflected surface (for example, chrome paint). Kinoshita does not teach reflected paint must be white paint which producing only diffuse reflection. Kinoshita also teaches "**if** massive garden stuff A has in this soft indirect lighting by which the reflected light is irradiated almost uniformly from various include angles to massive garden stuff A by carrying out reflective diffusion for this reason, the strong reflected light of the specific direction does not occur" ([0012], lines 19-

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23), and "reflecting plates, such as a mirror, are arranged in the four-way-type location" ([0007], lines 3-4). Therefore, apparently Kinoshita discloses that both recurring reflected light and recurring

diffusion light being used in his invention.

Claim Rejections - 35 USC § 102

- 5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1, 2 are rejected under 35 U.S.C. 102(b) as being teached by Kinoshita et al. (JP Publication No. 08005563). Hereafter, "Kinoshita".

Regarding Claim 1, Kinoshita teaches a conveyor adapted to convey a plurality of objects placed next to each other in a direction transverse to the conveying direction ([0010]-[0011], figure 1, element A), at least one camera for observing the objects on the conveyor ([0005], lines 1-7). a box with reflective side walls having a mirroring surface, which is positioned above the conveyor and in which the at least one camera is accommodated ([0007], lines 1-5), (reflecting plates, such as mirrors, is not different from a part of the side walls) a light source which is accommodated in the box opposite the conveyor for illuminating the objects from above ([0005], lines 9-11), the light source having a substantially even light plane directed towards the inside of the box ([0007], lines 6-10) and which light source, as a result of the mirroring side walls, recurs on all sides so as to provide uniform illumination of the objects on the conveyor from all sides ([0007], figure 1, elements 2, 7, A), (reflecting plates 7, such as mirrors, is not different from a part of the side walls).

Regarding Claim 3, Kinoshita teaches the box is substantially rectangular and has a top cover plate and four reflective side walls (Figure 1, elements 1, 11).

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Regarding Claim 5, Kinoshita teaches the reflective side walls of the box have a coefficient of reflection (Figure 1, element 2). It would have been obvious to one having ordinary skill in the art at the time of the invention was made to have that coefficient of reflection of reflective side walls of at least 0.8.

Regarding Claim 7, Kinoshita teaches the light source being arranged on the topside of the box (Figure 1, element 9).

Regarding Claim 8, Kinoshita teaches the light source having a uniform radiation plane (Figure 1, element 10, [0002], lines 11-14).

Regarding Claim 9, Kinoshita teaches the light source comprising one or more lamps which being distributed substantially uniformly (Figure 3, element 9).

Regarding Claim 10, Kinoshita teaches the light source is arranged beneath the top cover plate above one or more diffusor plates (Figure 1, element 10).

Regarding Claim 15, Kinoshita teaches that the reflecting walls of the box are mirrors (Figure 1, elements 2, 7), (reflective inner wall face is not different from mirrors, and reflecting plates 7, such as mirrors, is not different from a part of the side walls).

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Regarding Claim 16, Kinoshita teaches the conveyor being designed in such a manner that

the objects execute a rolling movement as they are being conveyed ([0005]).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the

invention was made.

8. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kinoshita et al. (JP

Publication No. 08005563) in view of W. J. Ward et al. (U.S. Patent No. 1,947,142). Hereafter,

"Kinoshita", and "Ward".

Regarding Claim 6, Kinoshita teaches all the limitations of claim 1 as stated above except for

walls being made from metal. Ward teaches walls being made from metal (Figure 3, element 20). It

would have been obvious to one having ordinary skill in the art at the time of the invention was made

to modify Kinoshita by having metal walls in order to implement inspection system more easily.

9. Claims 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kinoshita et al.

(JP Publication No. 08005563) in view of Summers et al. (U.S. Patent No. 5,321,491). Hereafter,

"Kinoshita", and "Summers".

Regarding Claims 13-14, Kinoshita teaches all the limitations of claims 1 as stated above

except for the device having at least two cameras, and a computer which being coupled to the optical

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observation means. Summers teaches the device having at least two cameras (column 2, lines 40-45), and a computer which being coupled to the optical observation means (column 2, lines 9-18, column 4, lines 51-54). It would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify Kinoshita by having at least two cameras, and a computer in order to "control mechanical egg routing device" efficiently, (as stated by Summers, column 2, lines 16-18).

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references of Kinoshita et al. (JP Publication No. 08005563), W. J. Ward et al. (U.S. Patent No. 1,947,142), and Summers et al. (U.S. Patent No. 5,321,491) teach of various features similar to the claimed invention.

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Fax/Telephone Information

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Tri T. Ton whose telephone number is (571) 272-9064. The examiner can

normally be reached on 10:30am - 7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Gregory J. Toatley, Jr. can be reached on (571) 272-2059. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Gregory J. Toatley, Jr./
Supervisory Patent Examiner, Art Unit 2877
29 March 2008

March 18, 2008 Examiner /Tri Ton/